

data sheet

Colenta[®]

PCB - Film Processor

Type: PCB 140/90 - 4Tank



Colenta[®]

**Colenta WideTrack PCB Processor -
for processing common used PCB film in sheet format**



10/2019 AN

Colenta[®] PCB Film Processor

Type: PCB 140/90 - 4 Tank

Technical Specifications:

Processing applications:	common used PCB film in sheet format.												
Process width:	max. 140 cm												
Microprocessor Control:	with 9 pre-programmable processing cycles												
Processing Capacity	<table border="0"> <tr> <td>@ 30 sec</td> <td>105</td> <td>cm/min</td> </tr> <tr> <td>@ 35 sec</td> <td>90</td> <td>cm/min</td> </tr> <tr> <td>@ 40 sec</td> <td>80</td> <td>cm/min</td> </tr> <tr> <td>@ 45 sec</td> <td>70</td> <td>cm/min</td> </tr> </table>	@ 30 sec	105	cm/min	@ 35 sec	90	cm/min	@ 40 sec	80	cm/min	@ 45 sec	70	cm/min
@ 30 sec	105	cm/min											
@ 35 sec	90	cm/min											
@ 40 sec	80	cm/min											
@ 45 sec	70	cm/min											

(Dev time is pre-programmable, subject to film & chemicals in use as well as exposure settings)

Tank capacities:

Developer :	PCB 160/90 4Tank
Fixer :	approx 40 L incl. external filters
Wash1 :	approx 40 L incl. external filters
Wash2 :	approx 40 L incl. external filters

The Film Processor is micro processor controlled and provide a fully automatic Dry to Dry service for both cut sheet and long roll through a well proven specifically for PCB Film designed roller transport system.

Replenishment:	- precisely controlled using opto-sensors to measure the area loading. - activated after a pre-set print/film area is fed into the processor
High efficiency drying:	An integrated flat path warm air drying system with airknives (low temp)
Temperatures:	All solution temperatures are accurately controlled and monitored with automatic cooling (cold water based)
Transport/ Drive motor:	precisely controlled by electronic feed-back to ensure consistant developer timing

ONLINE OPERATION: In case the processor is to be installed in online operation with the Plotter. Colenta would offer an interface systems which individually designed to work "hand in hand" with the software and hardware control systems within the plotter. Precise coding and signal communications are accurately monitored by the interface electronics to ensure that the processor and plotter are working in total harmony to ensure safe handling of media into and through the processor and consistent high quality PCB Film production.

Standard Accessories:-

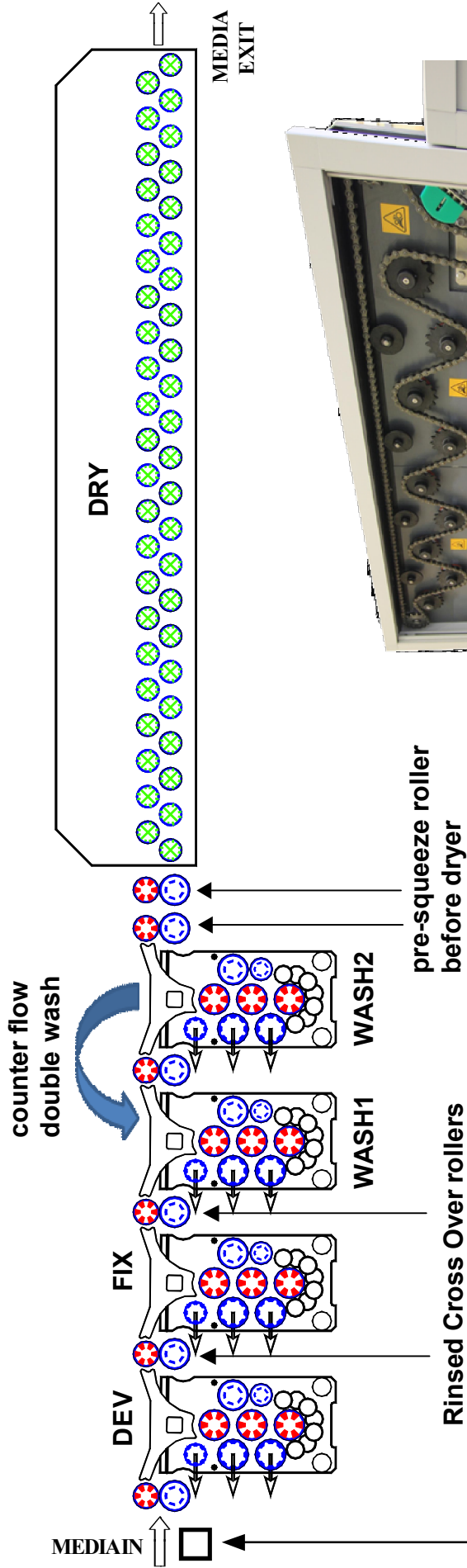
# film receiving tray	# Rack Carrier/Drip Tray
# Level control for all Processing tanks	# recirculated Wash tank
# filter for Dev & Fix and WASH (2x)	# Replenishment storage tanks 2 x 50L
# water supply / drain connectors.	# programmable squermeter based filter alarm
# closed panels for stand	# small user spare part kit

Optional Accessories:

# Colenta Mixing concole 2x40L / 2x80L	# specific Online Kit - if applicable
# Silver Recovery unit	# water panel assy

Technical specification subject to change without notice.

Transport system: PCB 140/90 - 4Tank



reliable chain drive system
(no worm gears are used !)

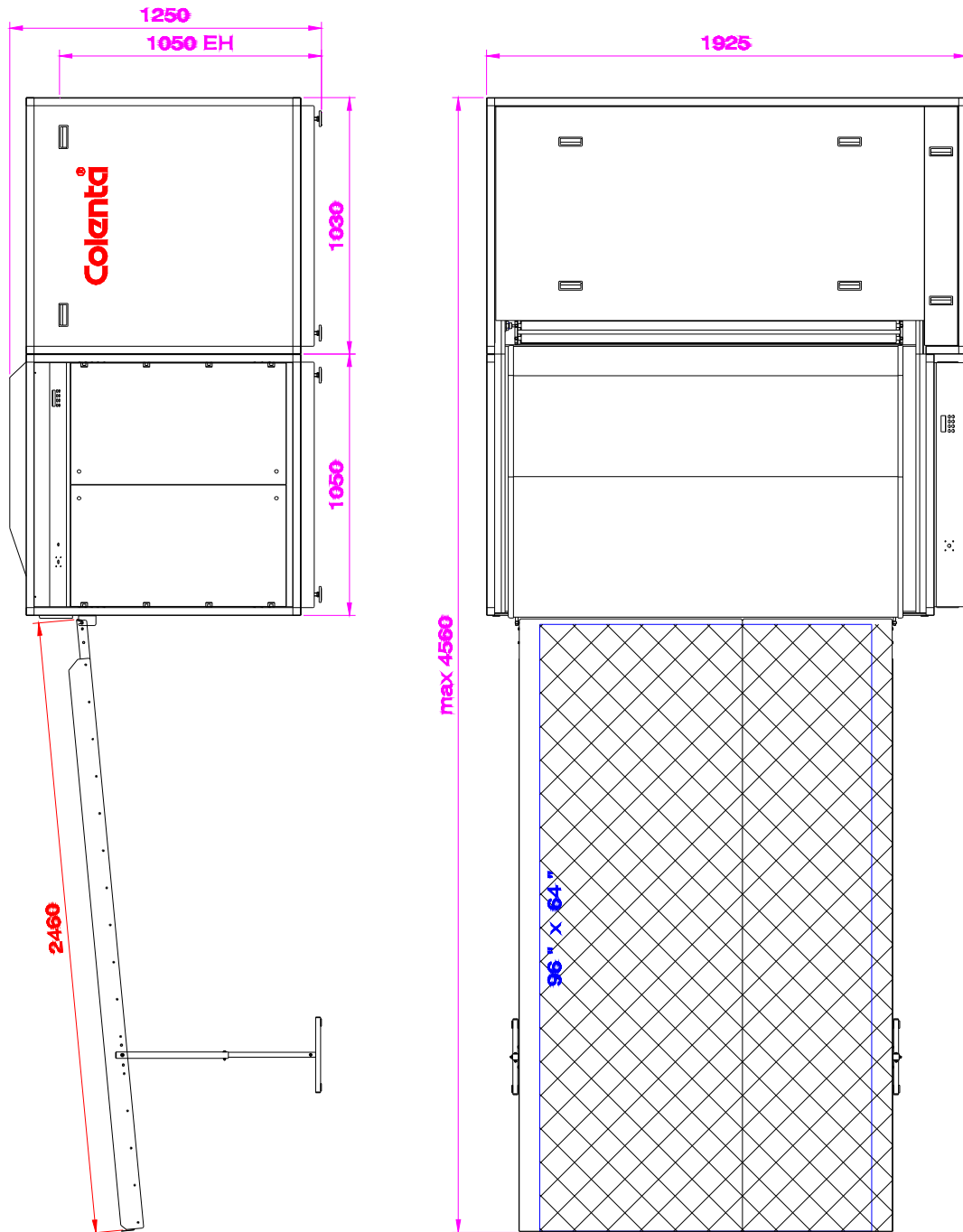
processing capacities

30"	105.3 cm/min
35"	90.3 cm/min
40"	79.0 cm/min
45"	70.2 cm/min
60"	52.7 cm/min

Optical Sensorbar to measure touchless the incoming film.

DIMENSIONS:

Type: PCB 140/90 - 4Tank



We recommend a minimum walking space of 60cm around the processor.

Electrical supply: Standard, when 3N~400/230V, 50/60 Hz supply available

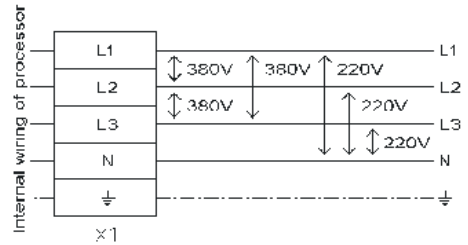
Total power consumption:

**Colenta PCB 140/90-4Tank
17,0 kW - 32A**

**Alternativ power supply for the processor
available on request.**

ATTENTION:

**PROCESSOR TO BE CONNECTED TO
SUPPLY NET: 3N~380/220V 50/60Hz**



**In case the above voltages are
not available at site, please
contact your local dealer or
the factory for rewiring advice.**

Details for shipment:

Colenta PCB 140/90-4Tank

Packing dimensions: to be confirmed